Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work:Construction of Rain water lead of drain at Kondappa layout 19th to 28th cross in Choudeshwari ward.No.2

Sl No	Description of Items	Unit/ No	Length	Width	Depth	Quantity	Rate	Amount
	Modified Estimate							
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after							
	Drain	Cum						
	17th Cross Road	1.00	30.00	0.75	0.9	20.25		
		1.00	30.00	0.75	0.9	20.25		
		1.00	30.00	0.75	0.9	20.25		
		1.00	23.00	0.75	0.9	15.53		
	17th Cross Road LHS Cross	1.00	23.70	0.75	0.9	16.00		
	19th Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	17.80	0.75	0.8	10.68		
	20th Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	14.80	0.75	0.8	8.88		
	21st Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	6.00	0.75	0.8	3.60		
	22nd Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	2.10	0.75	0.8	1.26		
	23rd Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	24.10	0.75	0.8	14.46		
	24th Cross Raod	1.00	30.00	0.75	0.8	18.00		
		1.00	19.30	0.75	0.8	11.58		
	25th Cross Road	1.00	30.00	0.75	0.7	15.75		
		1.00	15.90	0.75	0.7	8.35		
	Temple Road							
	RHS	1.00	15.10	1.20	1.30	23.56		
		1.00	23.70	1.20	1.00	28.44		
	LHS	1.00	30.00	1.00	1.00	30.00		
		1.00	3.20	1.00	1.00	3.20		
	Approach Road	1.00	29.80	1.00	1.00	29.80		
		1.00	5.20	1.00	1.00	5.20		
		1.00	3.20	1.00	1.00	3.20		
	End Road 1	2.00	30.00	0.75	0.75	33.75		
		2.00	16.00	0.75	0.75	18.00		
	End Road 2	1.00	23.90	0.75	0.75	13.44		
	End Road 3	1.00	23.30	0.75	0.75	13.11		
	Connecting Drain Near Lake	1.00	30.00	1.00	1.20	36.00		
		1.00	30.00	1.00	1.20	36.00		
	Cross Road	1.00	30.00	0.75	0.75	16.88		
		1.00	30.00	0.75	0.75	16.88		
	Culverts							
	End road 2	1.00	7.00	1.00	1.00	7.00		
	Temple Road	1.00	7.00	1.20	1.00	8.40		
	25th Cross Road	1.00	5.70	1.50	1.00	8.55		
	Road Work							
	Temple Road	1.00	30.00	4.30	0.45	58.05		
		1.00	24.30	5.80	0.45	63.42		

	End Road 1	1.00	30.00	3.60	0.45	48.60		
		1.00	20.70	3.50	0.45	32.60		
	End Road 2	1.00	30.00	3.50	0.45	47.25		
		1.00	10.20	3.10	0.45	14.23		
	End Road 3	1.00	25.00	4.00	0.45	45.00		
	17th Cross Road	1.00	30.00	3.00	0.45	40.50		
		1.00	30.00	3.00	0.45	40.50		
		1.00	30.00	3.00	0.45	40.50		
		1.00	23.00	3.00	0.45	31.05		
	17th Cross Road LHS Cross	1.00	23.70	3.00	0.45	32.00		
	20th Cross Road	1.00	30.00	3.00	0.45	40.50		
		1.00	30.00	3.00	0.45	40.50		
		1.00	14.80	3.00	0.45	19.98		
	21st Cross Road	1.00	30.00	2.70	0.45	36.45		
		1.00	30.00	2.70	0.45	36.45		
		1.00	6.00	2.70	0.45	7.29		
	22nd Cross Road	1.00	30.00	3.70	0.45	49.95		
		1.00	30.00	3.50	0.45	47.25		
		1.00	2.10	3.70	0.45	3.50		
	23rd Cross Road	1.00	30.00	3.50	0.45	47.25		
		1.00	24.10	3.30	0.45	35.79		
	24th Cross Raod	1.00	30.00	3.00	0.45	40.50		
		1.00	19.30	3.50	0.45	30.40		
	25th Cross Road	1.00	30.00	2.10	0.45	28.35		
		1.00	15.90	2.70	0.45	19.32		
	Heap Removal / Debris in Temple Road	1.00	25.00	3.00	0.38	28.50		
						1665.90	144.55	240805.3391
	Approved Rate	144.55						
2	KSRB 2-4: Refilling avalable earth around pipelines,cables in layers not exceeding 20cms in depth,compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications							
	Drains	Cum						
	17th Cross Road	1.00	30.00	0.75	0.9	20.25		
		1.00	30.00	0.75	0.9	20.25		
		1.00	30.00	0.75	0.9	20.25		
		1.00	23.00	0.75	0.9	15.53		
	17th Cross Road LHS Cross	1.00	23.70	0.75	0.9	16.00		
	19th Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	17.80	0.75	0.8	10.68		
	20th Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	14.80	0.75	0.8	8.88		
	21st Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	6.00	0.75	0.8	3.60		
	22nd Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	2.10	0.75	0.8	1.26		
	23rd Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	24.10	0.75	0.8	14.46		
	24th Cross Raod	1.00	30.00	0.75	0.8	18.00		
		1.00	19.30	0.75	0.8	11.58		
	25th Cross Road	1.00	30.00	0.75	0.7	15.75		
		1.00	15.90	0.75	0.7	8.35		
	Temple Road							
	RHS	1.00	15.10	1.20	1.30	23.56		
		1.00	23.70	1.20	1.00	28.44		

	HS							
		1.00	30.00	1.00	1.00	30.00		
	Approach Road	1.00	3.20	1.00	1.00	3.20		
		1.00	29.80	1.00	1.00	29.80		
		1.00	5.20	1.00	1.00	5.20		
	End Road 1	1.00	3.20	1.00	1.00	3.20		
		2.00	30.00	0.75	0.75	33.75		
	End Road 2	2.00	16.00	0.75	0.75	18.00		
	End Road 3	1.00	23.90	0.75	0.75	13.44		
		1.00	23.30	0.75	0.75	13.11		
	Connecting Drain Near Lake							
		1.00	30.00	1.00	1.20	36.00		
	Cross Road	1.00	30.00	1.00	1.20	36.00		
		1.00	30.00	0.75	0.75	16.88		
		1.00	30.00	0.75	0.75	16.88		
	Culverts							
	End road 2	1.00	7.00	1.00	1.00	7.00		
	Temple Road	1.00	7.00	1.20	1.00	8.40		
	25th Cross Road	1.00	5.70	1.50	1.00	8.55		
	Consider 50%					330.11		
	Lake Area Filling and Compaction with Available good soil End Portions of Road							
	23rd Cross Road	1.00	24.10	3.30	0.30	23.86		
	24th Cross Raod	1.00	19.30	3.50	0.30	20.27		
	25th Cross Road	1.00	15.90	2.70	0.30	12.88		
						57.00		
						387.12	134.54	52082.59
	Approved Rate	134.54						
3	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 page no-155 item no-20.18							
	Drain	Cum						
	20th Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	30.00	0.75	0.15	3.38		
		1.00	14.80	0.75	0.15	1.67		
	21st Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	30.00	0.75	0.15	3.38		
		1.00	6.00	0.75	0.15	0.68		
	22nd Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	30.00	0.75	0.15	3.38		
		1.00	2.10	0.75	0.15	0.24		
	23rd Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	24.10	0.75	0.15	2.71		
	24th Cross Raod	1.00	30.00	0.75	0.15	3.38		
		1.00	19.30	0.75	0.15	2.17		
	25th Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	15.90	0.75	0.15	1.79		
	Culverts							

	End road 2							
	Temple Road	1.00	7.00	1.00	0.15	1.05		
	25th Cross Road	1.00	7.00	1.20	0.15	1.26		
		1.00	5.70	1.50	0.15	1.28		
	Road Work							
	Temple Road							
		1.00	30.00	4.30	0.15	19.35		
	End Road 1	1.00	24.30	5.80	0.15	21.14		
		1.00	30.00	3.60	0.15	16.20		
	End Road 2	1.00	20.70	3.50	0.15	10.87		
		1.00	30.00	3.50	0.15	15.75		
	End Road 3	1.00	10.20	3.10	0.15	4.74		
	17th Cross Road	1.00	25.00	4.00	0.15	15.00		
		1.00	30.00	3.00	0.15	13.50		
		1.00	30.00	3.00	0.15	13.50		
		1.00	30.00	3.00	0.15	13.50		
		1.00	23.00	3.00	0.15	10.35		
	17th Cross Road LHS Cross	1.00	23.70	3.00	0.15	10.67		
	20th Cross Road	1.00	30.00	3.00	0.15	13.50		
		1.00	30.00	3.00	0.15	13.50		
		1.00	14.80	3.00	0.15	6.66		
	21st Cross Road	1.00	30.00	2.70	0.15	12.15		
		1.00	30.00	2.70	0.20	16.20		
		1.00	6.00	2.70	0.20	3.24		
	22nd Cross Road	1.00	30.00	3.70	0.20	22.20		
		1.00	30.00	3.50	0.20	21.00		
		1.00	2.10	3.70	0.20	1.55		
	23rd Cross Road	1.00	30.00	3.50	0.20	21.00		
		1.00	24.10	3.30	0.20	15.91		
	24th Cross Raod	1.00	30.00	3.00	0.20	18.00		
		1.00	19.30	3.50	0.20	13.51		
	25th Cross Road	1.00	30.00	2.10	0.20	12.60		
		1.00	15.90	2.70	0.20	8.59		
						407.39	2099.34	855244.87
	Approved Rate	2099.34						
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)							
	Drain	5687.54						
	17th Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	30.00	0.75	0.15	3.38		
		1.00	30.00	0.75	0.15	3.38		
		1.00	23.00	0.75	0.15	2.59		
	17th Cross Road LHS Cross	1.00	23.70	0.75	0.15	2.67		
	19th Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	17.80	0.75	0.15	2.00		
	20th Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	30.00	0.75	0.15	3.38		
		1.00	14.80	0.75	0.15	1.67		
	21st Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	30.00	0.75	0.15	3.38		
		1.00	6.00	0.75	0.15	0.68		
	22nd Cross Road	1.00	30.00	0.75	0.15	3.38		
		1.00	30.00	0.75	0.15	3.38		
		1.00	2.10	0.75	0.15	0.24		

23rd Cross Road								
	1.00	30.00	0.75	0.15	3.38			
24th Cross Raod	1.00	24.10	0.75	0.15	2.71			
	1.00	30.00	0.75	0.15	3.38			
25th Cross Road	1.00	19.30	0.75	0.15	2.17			
	1.00	30.00	0.75	0.15	3.38			
Temple Road	1.00	15.90	0.75	0.15	1.79			
RHS								
	1.00	15.10	1.20	0.15	2.72			
LHS	1.00	23.70	1.20	0.15	4.27			
	1.00	30.00	1.00	0.15	4.50			
Approach Road	1.00	3.20	1.00	0.15	0.48			
	1.00	29.80	1.00	0.15	4.47			
	1.00	5.20	1.00	0.15	0.78			
End Road 1	1.00	3.20	1.00	0.15	0.48			
	2.00	30.00	0.75	0.15	6.75			
End Road 2	2.00	16.00	0.75	0.15	3.60			
End Road 3	1.00	23.90	0.75	0.15	2.69			
	1.00	23.30	0.75	0.15	2.62			
Connecting Drain Near Lake	1.00	30.00	1.00	0.15	4.50			
	1.00	30.00	1.00	0.15	4.50			
Culverts								
End road 2	1.00	7.00	1.00	0.15	1.05			
Temple Road	1.00	7.00	1.20	0.15	1.26			
25th Cross Road	1.00	5.70	1.50	0.15	1.28			
Road Work								
Temple Road	1.00	30.00	4.30	0.15	19.35			
	1.00	24.30	5.80	0.14	19.73			
End Road 1	1.00	30.00	3.60	0.15	16.20			
	1.00	20.70	3.50	0.14	10.14			
End Road 2	1.00	30.00	3.50	0.15	15.75			
	1.00	10.20	3.10	0.14	4.43			
End Road 3	1.00	25.00	4.00	0.15	15.00			
17th Cross Road	1.00	30.00	3.00	0.14	12.60			
	1.00	30.00	3.00	0.14	12.60			
	1.00	30.00	3.00	0.14	12.60			
	1.00	23.00	3.00	0.15	10.35			
17th Cross Road LHS Cross	1.00	23.70	3.00	0.14	9.95			
20th Cross Road	1.00	30.00	3.00	0.14	12.60			
	1.00	30.00	3.00	0.14	12.60			
	1.00	14.80	3.00	0.15	6.66			
21st Cross Road	1.00	30.00	2.70	0.14	11.34			
	1.00	30.00	2.70	0.15	12.15			
	1.00	6.00	2.70	0.14	2.27			
22nd Cross Road	1.00	30.00	3.70	0.14	15.54			
	1.00	30.00	3.50	0.14	14.70			
	1.00	2.10	3.70	0.14	1.09			
23rd Cross Road	1.00	30.00	3.50	0.15	15.75			
	1.00	24.10	3.30	0.15	11.93			
24th Cross Raod	1.00	30.00	3.00	0.14	12.60			
	1.00	19.30	3.50	0.15	10.13			
25th Cross Road	1.00	30.00	2.10	0.14	8.82			
	1.00	15.90	2.70	0.15	6.44			
					419.65	5687.54	2386764.50	
Approved Rate	5687.54							

5 Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)

	Drain Raft	7416.64					
	17th Cross Road	1.00	30.00	0.75	0.18	4.05	
		1.00	30.00	0.75	0.18	4.05	
		1.00	30.00	0.75	0.17	3.83	
		1.00	23.00	0.75	0.18	3.11	
	17th Cross Road LHS Cross	1.00	23.70	0.75	0.18	3.20	
	19th Cross Road	1.00	30.00	0.75	0.19	4.28	
		1.00	17.80	0.75	0.18	2.40	
	20th Cross Road	1.00	30.00	0.75	0.19	4.28	
		1.00	30.00	0.75	0.18	4.05	
		1.00	14.80	0.75	0.18	2.00	
	21st Cross Road	1.00	30.00	0.75	0.19	4.28	
		1.00	30.00	0.75	0.18	4.05	
		1.00	6.00	0.75	0.18	0.81	
	22nd Cross Road	1.00	30.00	0.75	0.18	4.05	
		1.00	30.00	0.75	0.19	4.28	
		1.00	2.10	0.75	0.19	0.30	
	23rd Cross Road	1.00	30.00	0.75	0.18	4.05	
		1.00	24.10	0.75	0.19	3.43	
	24th Cross Raod	1.00	30.00	0.75	0.17	3.83	
		1.00	19.30	0.75	0.18	2.61	
	25th Cross Road	1.00	30.00	0.75	0.18	4.05	
		1.00	15.90	0.75	0.18	2.15	
	Temple Road						
	RHS	1.00	15.10	1.20	0.2	3.62	
		1.00	23.70	1.20	0.2	5.69	
	LHS	1.00	30.00	1.00	0.17	5.10	
		1.00	3.20	1.00	0.19	0.61	
	Approach Road	1.00	29.80	1.00	0.18	5.36	
		1.00	5.20	1.00	0.17	0.88	
		1.00	3.20	1.00	0.19	0.61	
	End Road 1	2.00	30.00	0.75	0.18	8.10	
		2.00	16.00	0.75	0.18	4.32	
	End Road 2	1.00	23.90	0.75	0.18	3.23	
	End Road 3	1.00	23.30	0.75	0.17	2.97	
	Connecting Drain Near Lake	1.00	30.00	0.90	0.19	5.13	
		1.00	30.00	0.90	0.18	4.86	
	Cross Road	1.00	30.00	0.75	0.19	4.28	
		1.00	30.00	0.75	0.19	4.28	
	Drain Side Walls						
	17th Cross Road	2.00	30.00	0.15	0.5	4.50	
		2.00	30.00	0.15	0.5	4.50	
		2.00	30.00	0.16	0.5	4.80	
		2.00	23.00	0.16	0.5	3.68	
	17th Cross Road LHS Cross	2.00	23.70	0.15	0.35	2.49	
	19th Cross Road	2.00	30.00	0.16	0.4	3.84	
		2.00	17.80	0.16	0.4	2.28	
	20th Cross Road	2.00	30.00	0.16	0.4	3.84	
		2.00	30.00	0.15	0.4	3.60	
		2.00	14.80	0.16	0.4	1.89	
	21st Cross Road	2.00	30.00	0.15	0.4	3.60	

		2.00	30.00	0.16	0.4	3.84		
	22nd Cross Road	2.00	6.00	0.15	0.4	0.72		
		2.00	30.00	0.16	0.33	3.17		
		2.00	30.00	0.15	0.4	3.60		
	23rd Cross Road	2.00	2.10	0.16	0.4	0.27		
		2.00	30.00	0.15	0.35	3.15		
	24th Cross Raod	2.00	24.10	0.15	0.4	2.89		
		2.00	30.00	0.16	0.4	3.84		
	25th Cross Road	2.00	19.30	0.15	0.4	2.32		
		2.00	30.00	0.16	0.35	3.36		
	Temple Road	2.00	15.90	0.16	0.4	2.04		
	RHS	2.00	15.10	0.2	1.00	6.04		
		2.00	23.70	0.2	0.6	5.69		
	LHS	2.00	30.00	0.16	0.6	5.76		
		2.00	3.20	0.15	0.6	0.58		
	Approach Road	2.00	29.80	0.16	0.6	5.72		
		2.00	5.20	0.16	0.6	1.00		
		2.00	3.20	0.16	0.6	0.61		
	End Road 1	4.00	30.00	0.15	0.6	10.80		
		4.00	16.00	0.16	0.6	6.14		
	End Road 2	2.00	23.90	0.15	0.6	4.30		
	End Road 3	2.00	23.30	0.16	0.6	4.47		
	Connecting Drain Near Lake	2.00	30.00	0.15	0.9	8.10		
		2.00	30.00	0.16	0.9	8.64		
	Extra Wall to Existing Main Nalah	1.00	15.00	0.2	0.9	2.70		
	Cross Road	2.00	30.00	0.16	0.6	5.76		
		2.00	30.00	0.16	0.6	5.76		
						282.42		
	Culvert Raft							
	End road 2	1.00	7.00	1.00	0.2	1.40		
	Temple Road	1.00	7.00	1.20	0.2	1.68		
	25th Cross Road	1.00	5.70	1.50	0.2	1.71		
	Culvert Side Walls							
	End road 2	2.00	7.00	0.20	0.6	1.68		
	Temple Road	2.00	7.00	0.20	0.8	2.24		
	25th Cross Road	2.00	5.70	0.20	0.75	1.71		
						10.42		
						292.84	7416.64	2171915.19
	Approved Rate	7416.64						
6	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)							
	Consider Kgs / Cum for Drain	282.42				22.59		
	Consider Kgs For Culvert	10.42				1.10		
						23.70	69981.06	1658439.432
	Approved Rate	69981.06						

7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting , including form work, cost of alll materials, labour,hire charges of chinery,loading ,unloading ,lead and lift, transportation etc ,complete. (Data Rate)							
	Drain Slab	SQM						
	17th Cross Road	1.00	30.00	0.75		22.50		
		1.00	30.00	0.75		22.50		
		1.00	30.00	0.75		22.50		
		1.00	23.00	0.75		17.25		
	17th Cross Road LHS Cross	1.00	23.70	0.75		17.78		
	19th Cross Road	1.00	30.00	0.75		22.50		
		1.00	17.80	0.75		13.35		
	20th Cross Road	1.00	30.00	0.75		22.50		
		1.00	30.00	0.75		22.50		
		1.00	14.80	0.75		11.10		
	21st Cross Road	1.00	30.00	0.75		22.50		
		1.00	30.00	0.75		22.50		
		1.00	6.00	0.75		4.50		
	22nd Cross Road	1.00	30.00	0.75		22.50		
		1.00	30.00	0.75		22.50		
		1.00	2.10	0.75		1.58		
	23rd Cross Road	1.00	30.00	0.75		22.50		
		1.00	24.10	0.75		18.08		
	24th Cross Raod	1.00	30.00	0.75		22.50		
		1.00	19.30	0.75		14.48		
	25th Cross Road	1.00	30.00	0.75		22.50		
		1.00	15.90	0.75		11.93		
	Temple Road					0.00		
	RHS	1.00	15.10	1.20		18.12		
		1.00	23.70	1.20		28.44		
	LHS	1.00	30.00	0.90		27.00		
		1.00	3.20	0.90		2.88		
	Approach Road	1.00	29.80	0.90		26.82		
		1.00	5.20	0.90		4.68		
		1.00	3.20	0.90		2.88		
	End Road 1	2.00	30.00	0.75		45.00		
		2.00	16.00	0.75		24.00		
	End Road 2	1.00	23.90	0.75		17.93		
	End Road 3	1.00	23.30	0.75		17.48		
	Connecting Drain Near Lake	1.00	30.00	0.90		27.00		
		1.00	30.00	0.90		27.00		
	Cross Road	1.00	30.00	0.75		22.50		
		1.00	30.00	0.75		22.50		
						716.75	2451.51	1757107.53
	Approved Rate	2451.51						
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)							
		SQM						
	Culverts							
	End road 2	1.00	7.00	1.00		7.00		
	Temple Road	1.00	7.00	1.20		8.40		
	25th Cross Road	1.00	5.70	1.50		8.55		
						23.95	5683.48	136119.35
	Approved Rate	5683.48						

9	Conveying the excavated earth (lead charges) to a with lead of 8 kms with all lead and lift. Including loading and unloading charges etc., complete as per direction of Engineer in charge							
	Drain	Cum						
	17th Cross Road	1.00	30.00	0.75	0.9	20.25		
		1.00	30.00	0.75	0.9	20.25		
		1.00	30.00	0.75	0.9	20.25		
		1.00	23.00	0.75	0.9	15.53		
	17th Cross Road LHS Cross	1.00	23.70	0.75	0.9	16.00		
	19th Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	17.80	0.75	0.8	10.68		
	20th Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	14.80	0.75	0.8	8.88		
	21st Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	6.00	0.75	0.8	3.60		
	22nd Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	30.00	0.75	0.8	18.00		
		1.00	2.10	0.75	0.8	1.26		
	23rd Cross Road	1.00	30.00	0.75	0.8	18.00		
		1.00	24.10	0.75	0.8	14.46		
	24th Cross Raod	1.00	30.00	0.75	0.8	18.00		
		1.00	19.30	0.75	0.8	11.58		
	25th Cross Road	1.00	30.00	0.75	0.7	15.75		
		1.00	15.90	0.75	0.7	8.35		
	Temple Road							
	RHS	1.00	15.10	1.20	1.30	23.56		
		1.00	23.70	1.20	1.00	28.44		
	LHS	1.00	30.00	1.00	1.00	30.00		
		1.00	3.20	1.00	1.00	3.20		
	Approach Road	1.00	29.80	1.00	1.00	29.80		
		1.00	5.20	1.00	1.00	5.20		
		1.00	3.20	1.00	1.00	3.20		
	End Road 1	2.00	30.00	0.75	0.75	33.75		
		2.00	16.00	0.75	0.75	18.00		
	End Road 2	1.00	23.90	0.75	0.75	13.44		
	End Road 3	1.00	23.30	0.75	0.75	13.11		
	Culverts							
	End road 2	1.00	7.00	1.00	1.00	7.00		
	Temple Road	1.00	7.00	1.20	1.00	8.40		
	25th Cross Road	1.00	5.70	1.50	1.00	8.55		
	Consider 30%					166.34		
	Road Work							
	Temple Road	1.00	30.00	4.30	0.37	47.73		
		1.00	24.30	5.80	0.30	42.28		
	End Road 1	1.00	30.00	3.60	0.30	32.40		
		1.00	20.70	3.50	0.30	21.74		
	End Road 2	1.00	30.00	3.50	0.30	31.50		
		1.00	10.20	3.10	0.30	9.49		
	End Road 3	1.00	25.00	4.00	0.30	30.00		
	17th Cross Road	1.00	30.00	3.00	0.30	27.00		
		1.00	30.00	3.00	0.30	27.00		
		1.00	30.00	3.00	0.30	27.00		
		1.00	23.00	3.00	0.30	20.70		
	17th Cross Road LHS Cross	1.00	23.70	3.00	0.30	21.33		
	20th Cross Road	1.00	30.00	3.00	0.30	27.00		
		1.00	30.00	3.00	0.30	27.00		

	21st Cross Road	1.00	14.80	3.00	0.30	13.32		
		1.00	30.00	2.70	0.30	24.30		
		1.00	30.00	2.70	0.30	24.30		
	22nd Cross Road	1.00	6.00	2.70	0.30	4.86		
		1.00	30.00	3.70	0.30	33.30		
		1.00	30.00	3.50	0.30	31.50		
	23rd Cross Road	1.00	2.10	3.70	0.31	2.41		
		1.00	30.00	3.50	0.31	32.03		
	24th Cross Raod	1.00	24.10	3.30	0.30	23.86		
		1.00	30.00	3.00	0.30	27.00		
	25th Cross Road	1.00	19.30	3.50	0.30	20.27		
		1.00	30.00	2.10	0.30	18.90		
	Cross Road	1.00	15.90	2.70	0.30	12.88		
		2.00	30.00	0.15	0.30	2.70		
		2.00	30.00	0.15	0.30	2.70		
						666.48		
						832.82	86.15	71747.66
	Approved Rate	**86.15**						
EIRL - 1	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression							
	Road	Sqm						
	Temple Road	1.00	30.00	4.30		129.00		
		1.00	24.30	5.80		140.94		
	End Road 1	1.00	30.00	3.60		108.00		
		1.00	20.70	3.50		72.45		
	End Road 2	1.00	30.00	3.50		105.00		
		1.00	10.20	3.10		31.62		
	End Road 3	1.00	25.00	4.00		100.00		
	17th Cross Road	1.00	30.00	3.00		90.00		
		1.00	30.00	3.00		90.00		
		1.00	30.00	3.00		90.00		
		1.00	23.00	3.00		69.00		
	17th Cross Road LHS Cross	1.00	23.70	3.00		71.10		
	20th Cross Road	1.00	30.00	3.00		90.00		
		1.00	30.00	3.00		90.00		
		1.00	14.80	3.00		44.40		
	21st Cross Road	1.00	30.00	2.70		81.00		
		1.00	30.00	2.70		81.00		
		1.00	6.00	2.70		16.20		
	22nd Cross Road	1.00	30.00	3.70		111.00		
		1.00	30.00	3.50		105.00		
		1.00	2.10	3.70		7.77		
	23rd Cross Road	1.00	30.00	3.50		105.00		
		1.00	24.10	3.30		79.53		
	24th Cross Raod	1.00	30.00	3.00		90.00		
		1.00	19.30	3.50		67.55		
	25th Cross Road	1.00	30.00	2.10		63.00		
		1.00	15.90	2.70		42.93		
						2171.49	6.36	13810.68
	Basic Rate	6.00						
	Area Weightage 6%	0.36						
	Grand Total	6.36						

2	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal							
	Road	5634.307						
	Temple Road	1.00	30.00	4.30	0.14	18.06		
		1.00	24.30	5.80	0.14	19.73		
	End Road 1	1.00	30.00	3.60	0.14	15.12		
		1.00	20.70	3.50	0.13	9.42		
	End Road 2	1.00	30.00	3.50	0.13	13.65		
	End Road 3	1.00	25.00	4.00	0.14	14.00		
	17th Cross Road	1.00	30.00	3.00	0.13	11.70		
		1.00	30.00	3.00	0.14	12.60		
		1.00	30.00	3.00	0.14	12.60		
		1.00	23.00	3.00	0.13	8.97		
	17th Cross Road LHS Cross	1.00	23.70	3.00	0.14	9.95		
	20th Cross Road	1.00	30.00	3.00	0.13	11.70		
		1.00	30.00	3.00	0.13	11.70		
		1.00	14.80	3.00	0.13	5.77		
	21st Cross Road	1.00	30.00	2.70	0.13	10.53		
		1.00	30.00	2.70	0.13	10.53		
		1.00	6.00	2.70	0.14	2.27		
	22nd Cross Road	1.00	30.00	3.70	0.13	14.43		
		1.00	30.00	3.50	0.14	14.70		
		1.00	2.10	3.70	0.13	1.01		
	23rd Cross Road	1.00	30.00	3.50	0.13	13.65		
		1.00	24.10	3.30	0.14	11.13		
	24th Cross Raod	1.00	30.00	3.00	0.13	11.70		
		1.00	19.30	3.50	0.13	8.78		
	25th Cross Road	1.00	30.00	2.10	0.14	8.82		
		1.00	15.90	2.70	0.13	5.58		
						288.11	5634.31	1623304.71
	Basic Rate	4916.00						
	Issue Rate (7.2*55.47)	399.38						
	Sub Total	5315.38						
	Area Weightage 6%	318.92						
	Grand Total	5634.31						
							Total Amount	10967341.84

Technical Sanction
Accorded For Rs.10973341.84
Head of A/C.0.3253..... 08
CER NO :28..... Dt:02 2021

AEE (TA) EE (YNK)

Assistant Engineer
Ward No 2
BBMP

Assistant Executive Engineer
Yelahanka Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP